

# WATER WELL REPORT

STATE OF WASHINGTON

Application No. ....

Permit No. ....

(1) OWNER: Name City of Tacoma-Water Div. Address P.O. Box 11007 Tacoma, Wa. 98411  
(2) LOCATION OF WELL: County Pierce SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  Sec. 6 T. 20 N. R. 3E W.M.  
Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☐  
Irrigation ☐ Test Well ☒ Other ☐

(4) TYPE OF WORK: Owner's number of well 1  
(if more than one) ...  
New well ☒ Method: Dug ☐ Bored ☐  
Deepened ☐ Cable ☒ Driven ☐  
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 12 inches.  
Drilled 316 x 320 ft. Depth of completed well 306 ft.

## (6) CONSTRUCTION DETAILS:

Casing installed: 12" Diam. from 0 ft. to 306 ft.  
Threaded ☐ " Diam. from " ft. to " ft.  
Welded ☒ " Diam. from " ft. to " ft.

Perforations: Yes ☒ No ☐  
Type of perforator used Mills Knife  
SIZE of perforations 1/4 in. by 3 in.  
60 perforations from 301 ft. to 306 ft.  
120 perforations from 257 ft. to 267 ft.  
perforations from " ft. to " ft.

Screens: Yes ☒ No ☐  
Manufacturer's Name Hydro-Phylics  
Type Plastic Model No. ....  
Diam. 4" Slot size 40th from 257 ft. to 267 ft.  
Diam. " Slot size " from " ft. to " ft.

Gravel packed: Yes ☒ No ☐ Size of gravel: 3/8 Minus 5  
Gravel placed from 257 ft. to 267 ft.

Surface seal: Yes ☒ No ☐ To what depth? 20+ ft.  
Material used in seal Bentonite  
Did any strata contain unusable water? Yes ☐ No ☒  
Type of water? " Depth of strata " ft.  
Method of sealing strata off Bentonite Plug 291'-316'

(7) PUMP: Manufacturer's Name Peabody Barnes  
Type: Submersible (sampling only)

(8) WATER LEVELS: Land-surface elevation 385 ft.  
Static level 161.67 ft. below top of well Date 10-22-82  
Artesian pressure none lbs. per square inch Date n/a  
Artesian water is controlled by n/a  
(Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level  
Was a pump test made? Yes ☒ No ☐ If yes, by whom? City  
Yield: 88 gal./min. with 6.67 ft. drawdown after 2.65 hrs.  
" 205 " 16.17 " 6.65 "  
" 269 " 20.83 " 7.15 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

| Time    | Water Level | Time    | Water Level | Time | Water Level |
|---------|-------------|---------|-------------|------|-------------|
| 0       | 177.8'      | 20 Min. | 166.2       |      |             |
| 10 Min. | 167.1'      | 25 Min. | 165.7       |      |             |
| 15 Min. | 166.6'      |         |             |      |             |

Date of test 10-22-82  
Bailer test: -- gal./min. with -- ft. drawdown after -- hrs.  
Artesian flow: None g.p.m. Date N/A  
Temperature of water 50° Was a chemical analysis made? Yes ☒ No ☐

## (10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

| MATERIAL                           | FROM | TO  |
|------------------------------------|------|-----|
| Till                               | 0    | 5   |
| Cemented sand & gravel             | 5    | 73  |
| Round rock                         | 73   | 85  |
| Large cobbles & very coarse gravel | 85   | 95  |
| Silty coarse sand & gravel         | 95   | 105 |
| Coarse sand                        | 105  | 113 |
| Cobbles & coarse gravel            | 113  | 120 |
| Medium sand w/a few small rock     | 120  | 157 |
| Compact, sharp edged sand          | 157  | 179 |
| Packed sand w/cobbles              | 179  | 201 |
| Hard boulders & cobbles            | 201  | 215 |
| Cobbles, heavy gravel, some sand   | 215  | 225 |
| Hard, compact rock, coarse gravel  |      |     |
| & sand                             | 225  | 233 |
| Clay & sand                        | 233  | 239 |
| Medium grain sand                  | 239  | 255 |
| Sandy gravel, 1"-3" & cobbles      | 255  | 260 |
| Medium coarse gravel               | 260  | 267 |
| Cemented sand & gravel             | 267  | 285 |
| Hard packed sand                   | 285  | 295 |
| Sandy clay w/gravel                | 295  | 302 |
| 1"-1/2" round gravel               | 302  | 306 |
| Solid blue clay & water            | 306  | 316 |

(182'-233') small aquifer  
very ~~xxx~~ small quantity of water;  
sealed off by clay from 233-239  
(239'-267') Largest of aquifers  
encountered and pump tested

(302'-306') small aquifer, short  
~~pump~~ pump test indicated low specific  
capacity. This zone was sealed off  
using a 25' plug of bentonite clay  
291'-316'

Work started 9-3, 19 82 Completed 10-29, 19 82

## WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Richardson Well Drilling Co.  
(Person, firm, or corporation) (Type or print)

Address P.O. Box 44427 Tacoma, Wa. 98444

[Signed] [Signature]  
(Well Driller)

License No. 223-02-6500 Date 11-29, 19 82